- n mktnghfkdfawkkoligasvgallvgcsphiletnevalklnyh<u>pasekvgaldekil</u>l
- 61 Irpafqysdniakeyenkfknqtvlkveqilqnqgykvinvdssdkddfsfaqkkeqyla
- 121 vamngeivlrpdpkrtiqkksepgllfstgldkmegvlipagfvkvtilepmsgesldsf
- 181 tmdlseldigekfiktthsshsgglvstmvkgtdnsndaiksalnkifgsimgeldkklt
- 241 <u>aknlesyakdakelkakrn</u>r (SEQ ID NO:1)

FIG. 1

ofococcus pneumoniae pspA homologous sequence -> (SEQ ID NO:2)	×××IDK××IGK×LE××× *DA×EL×××××
H. DWort stagestar sheath achesion protein sequence -> (SEQ ID NO: 3)	H. PWort flageliar sheath adhesion protein sequence -> MQE DKKLTQKNLESYQKDAKELKGKRN (SEQ ID NO: 3)
Mycoplasma hominis Lp1 homologous sequence -> (SEQ ID NO: 4)	××EI×KKI×××××ES××KDAKEL×G×RN

FIG 2a

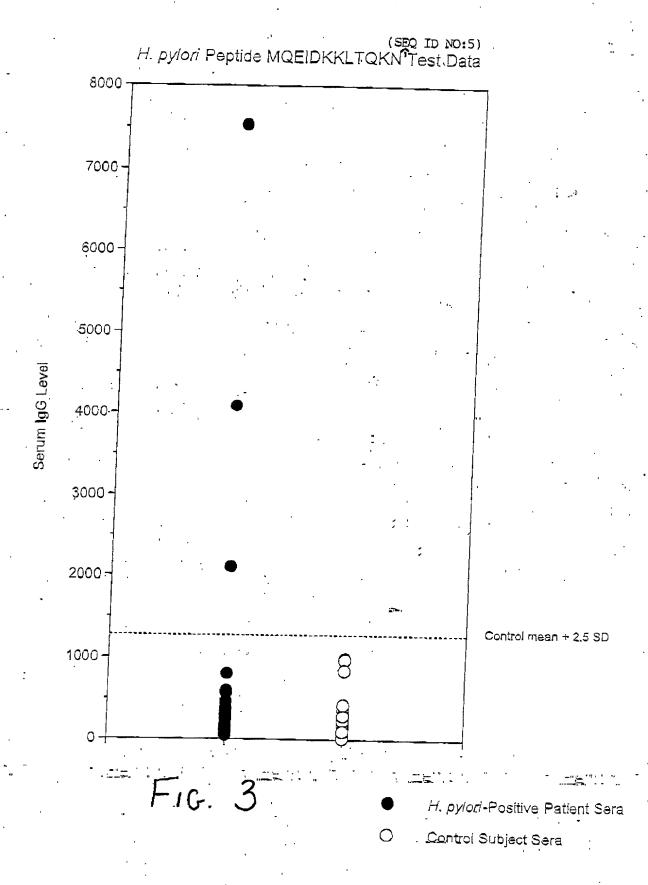
EEB: 51: 5005 3:53bW

NO. 523 'P. 32

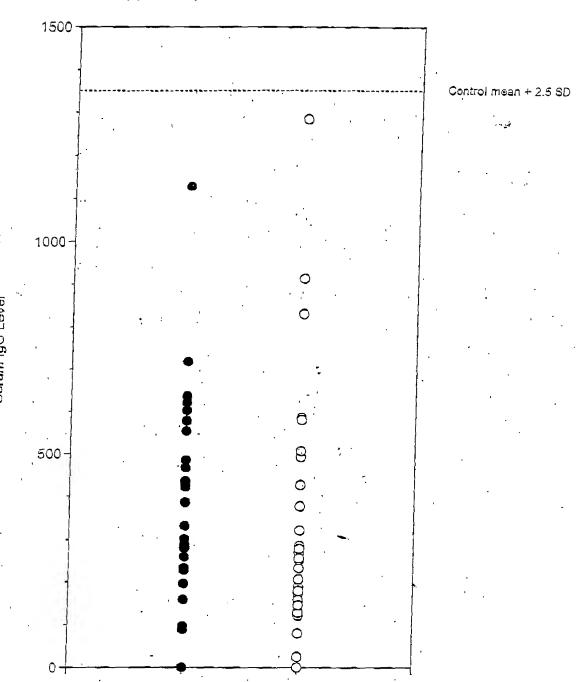
	ب باد بح د د د			
	ж х х х х	KELKGKRA	KEL×G×RN	Figure.5 Plot
Companies (activational activation (activation) (activation) (activation)	×××IDK××IQK×LE××I××DA×E	MGEIDKKLTGKNLESYGKDA	××EI×KKL×××××ES×I×KDAKEL×G×RN	Figure 3 Plof
	traptococcus pneumonicae psp.A. homologous sequence -> (SEQ ID NO: 2.)	H. pylon (lagellar sheath achesion protein sequence > MQEIDKKLTQKNLESYQKDAKELKGKRN (SEQ ID NO:3).	Mycoplasma haminis Lp1 homologous sequence -> (SEQ ID NO; 4)	

FIGAB

Figure 4 Plot



(SEQ ID NO:6) H. pylori Peptide KNLESYQKDA Data



Fic. 4

- H. pylori-Positive Patient Sera
- O Control Subject Sera

(SEQ ID NO:7) H. pylori Peptide QKDAKELKGKRN Data

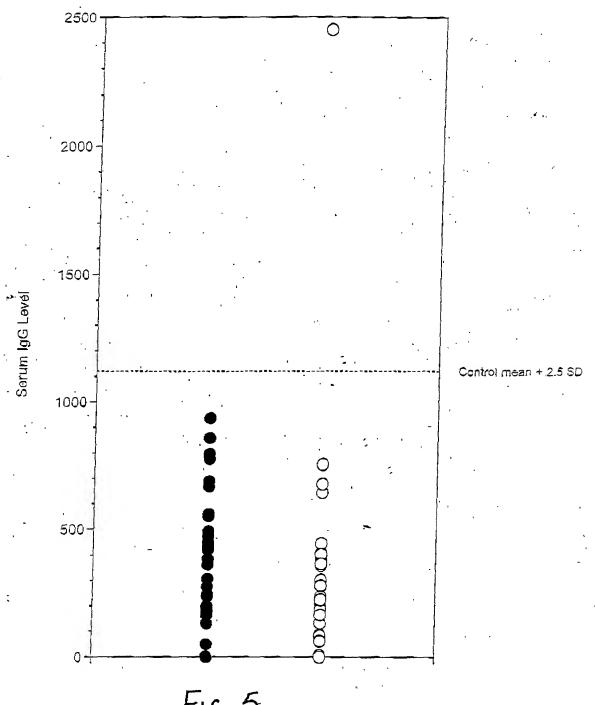


Fig 5

H. pylori-Positive Patient Sera

Control Subject Sera

F16.6

Parent H. pylori Protein

Adhesin.2

Iron-Regulated Outer Membrane Protein

Lipid A Disaccharide Synthase

LPP20 Lipoprotein

Flagellar Sheath Adhesin

Outer Membrane Protein I

Outer Membrane Protein 19

Outer Membrane Porin 1

Outer Membrane Porin 2

Vacuolating Cytotoxin

Functionally Specific Peptide Antigens

LPALKENNGKV (SEQ ID NO: 8).

VITKGERTFEYNN (SEQ ID NO:9)

LEQNEGFKRRV (SEQ ID NO: 10)

TVDASGKRSISG (SEQ ID NO: 11)

MQEIDKKLTQKN (SEQ ID NO: 12)

NTRYDRWAKD (SEQ ID NO: 13)

INGDKRTGGKPNTPE (SEQ ID NO: 14)

SSSEYEKLKA (SEQ ID NO: 15)

KEQHEAKGPDV (SEQ ID NO: 16)

QQTHRKINRP (SEQ ID NO: 17)

KQAEEANKTP (SEQ ID NO: 18)

KTPDKPDKVW (SEQ ID NO: 19)

FIG. 7a.
Number of 19G-Positive Results On Individual Peptide Asseys

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FIG. 76 Munder of lag-Positive Results On Individual Peptide Assavs

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Human Type II CollagenFunctionally Specific Peptide Antigens

QGQDVRQPG (SEQ ID NO: 20)

GRDGE (SEQ ID NO: 21)

GGFDEKAGGA (SEQ ID NO: 22)

WPGLPGA (SEQ ID: NO: 23)

GLPGTPGTDGPKGASGPAGPPGAQGPPG (SEQ ID NO: 24)

GPEGAPGKDGGRGLT, (SEQ ID NO: 25)

GEVGPPGPAGSAGARGAP (SEQ ID NO: 26)

TGPKGARGAQGPPGATGFPGAA (SEQ ID NO: 27).

NGNPGPPGPPGPS (SEQ. ID NO: 28) .

LQGPAGPP (SEQ ID NO: 29)

AVGAPGAPGPPGSPGPAGPTGKQGD (SEQ ID NO: 30)

KGHRGFTGLQ (SEQ ID NO: 31)

IGPPGPRGRSGETGPAGPPGN (SEQ ID NO: 32)

FIG 8